10404-	8 9 reverse before complet	ting to m	6-1	7-20		OMB No. 20	170-00 6	0. Approval expires 2-28-95
\$epa	ں Environmental	nited States				Registrat Amendm Other	ion	OPP Identifier Number
		Application	n for Pesti	cide - Sec	tion)		
1. Company/Product Numbe 10404-89)r			A Product Mar nne I. Miller	neger		3. Pr	oposed Classification
4. Company/Product (Name LESCO Fertilizer w/ 0.) 43% Barricade Pre	emergence H	erbicid					
5. Name and Address of Ap	plicant (Include ZIP Co	de)	6. E	xpedited Rev	veiw.	In accordan	ce with	FIFRA Section 3(c)(3)
LESCO, Inc. 15885 Sprague Road Strongsville, Ohio 44			to:	, my product A Reg. No				mposition and labeling
Check if thi	s is a new address		Pro	duct Name				
			Section	- 11				and the second sec
Amendment - Explain	n below. Donse to Agency letter	dated	[• 	Final printe Agency let "Me Too"	ter date		to	NOTIFICATION
Notification - Explain	•			Other - Exj	••			JUN 1 7 2003
A) Notification of Optional La attachment. This notification made to the labeling or the option statement to EPA. I further violation of FIFRA and I may by Dr. Wilson, 6/11/03, is all	on is consistent with the confidential statement of understand that if this no be subject to enforcem	provisions of PR formula of this p ptification is not o	Notice 98-10 a roduct. I under consistent with t	nd EPA regulati stand that it is a he terms of PR	ons at 4 violatio Notice 9	0 CFR 152.46 n of 18 U.S.C. 98-10 and 40 C	, and no Sec. 100 CFR 152.4	other changes have been 11 to willfully make any false 46, this product may be in
			Section	- 10				
1. Material This Product Wi	II Be Packaged In:	· · · · · · · · · · · · · · · · · · ·						······
Child-Resistant Packaging	Unit Packaging Yes		Water Solubi	e Packaging		2. Type of C	container Metal Plastic	
No	No		No No				Glass	
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No.per container	lf "Yes" Package wgt	No.per containe	br		Paper Other (S	Specify)
3. Location of Net Contents	Information	4. Size(s) Reta	il Container		5. Loc	sation of Labe	l Directio	Dhs
6. Manner in Which Label is		Lithogra Paper g Stencile	aph lued ad	Othe	or			
			Section	· IV				
1. Contact Point /Complete	items directly below f	or identification	of individual to	o be contacted	, if nece	essery, to pro	cess this	application.)
Name Gloria M. Sieloff			ritle Director, Regi	ulatory Affairs		F		e No. (inciude Area Code) 9250 ext. 2597
-	ements have made on ny knowling y false or law.		all attachments				•	6. Date Application Received (Stainped)
2. Signature	Sieloff	1	, Title Director, Regul	atory Affairs	N		· · ·	
4. Typed Name Gloria M. Sieloff	U.C.	5	Date 6	/11/03				

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.



NOTIFICATION

2/11



Revision Date: May 2, 2003 3///

NOTIFICATIC JUN 1 7 2003

ESCO

Barricade 0.43% Plus Fertilizer

Read the entire label before using this product. Use only according to label instructions.

NOTICE: Before using this product, read the Directions for Use, Storage and Disposal Instructions, and Warranty Statements. If the Warranty statements are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

ACTIVE INGREDIENT:

Prodiamine: (N ³ , N ³ -Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine	0.43%
	99.57%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

See the following sections Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

	FIRST AID
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.
	 Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
	HOT LINE NUMBER
Have the produ-	ct container or label with you when calling a poison control center or doctor or going fo

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Chem-Trec at 1-800-424-9300 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

Environmental Hazards

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

Page 1 of 9 EPA Reg. No. 10404-89

STORAGE AND DISPOSAL

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures. Or call [1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

EMPTY CONTAINER DISPOSAL: Do not reuse bag. Dispose of emptied bag(s) in a sanitary landfill approved for pesticide disposal, or by incineration.

SPILL: In case of spill, sweep up material and dispose of material according to "product disposal" directions listed above.

DIRECTIONS FOR USE

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

- This product is a selective pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens) and lawns; landscape ornamentals; and established perennials & wildflower plantings. This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application.

- Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

- Do not graze or feed livestock forage cut from areas treated with this product.

- Do not apply this product through any type of irrigation system.

- Do not apply aerially.

- Do not apply to golf course putting greens.

Page 2 of 9 EPA Reg. No. 10404-89

51	J	ĺ	
----	---	---	--

	GE: MINI, ELITE, NOVEX, PROFESSION	
	GUARANTEED ANALYSIS	··,
TOTAL NITROGEN	I (N)	XX.XX%
XX.XX%	Ammoniacal Nitrogen	
XX.XX%	Urea Nitrogen	
	Water Insoluble Nitrogen	
XX.XX%	уууууу	
	SPHATE (P2O5)	
SOLUBLE POTAS	H (K ₂ O)	XX.XX%
	total	
	Water Soluble Magnesium (Mg)	
		XX.XX%
	Free Sulfur (S)	
XX.XX%		
	l	XX.XX%
	Soluble Copper (Cu)	
IRON (Fe) total		XX.XX%
XX.XX%	Soluble Iron (Fe)	
) total	XX.XX%
	Water Soluble Manganese (Mn)	
ZINC (Zn) total		XX.XX%
XX.XX%	Soluble Zinc (Zn)	
DERIVED FROM: XX	XXX, XXXX, XXXX,	
CHLORINE (CI) M/	XX	XX.XX%
	ble Nitrogen from LESCO [®] Poly Plus [®] Sul	

APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated commercial application equipment.

Established Turf

This product is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the information below for approximate crabgrass seed germination dates.



Region
Upper North
North
Transition
South

Date After May 10 After April 20 After March 20 Jan 1 – March 20

> Page 3*of 9 EPA Reg. No. 10404-89

Revision Date: May 2, 2003

6/11

Use Precautions

The following use precautions apply to the use of this product in turf grasses and lawns:

- -Application of this product may thin emerged annual bluegrass and newly over-seeded grasses.
- -Do not apply to overseeded turf for 60 days after seeding or until after the second mowing, which ever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.
- -Do not cut treated sod before 120 days after application. Do not apply to newly set sod until the following year.
- -Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- -Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- -Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed below. Do not exceed the maximum yearly rate:

Maximum Application Rate per Calendar Year ¹					
Turf Species	Ib LESCO Barricade 2.0% Plus Fertilizer / acre	Ib AI per Acre			
Bermudagrass ² Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass ³ Tall Fescue (including turf-type) Zoysia	349 lb/acre (8.01 lb/1,000 sq ft)	1.5			
Buffalograss Kentucky Bluegrass Perennial Ryegrass	233 lb/acre (5.34 lb/1,000 sq ft)	1.0			
Creeping Red Fescue	175 lb/acre (4.02 lb/1,000 sq ft)	0.75			
Creeping Bentgrass	150 lb/acre (3.44 lb/1,000 sq ft)	0.65			

1. These are the maximum rates per calendar year by species limitations.

- 2. May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 121 and lb/Acre. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass, and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 349 lb of this product per acre per calendar year. Use the higher rates of this product to achieve higher levels of fertility and weed control for each turf type.

Revision Date: May 2, 2003

Weeds Controlled

When used in accordance with this label, this product will provide control of the following weeds:

Barnyardgrass
Bluegrass, Annual (Poa annua)
Carpetweed
Chickweed, Common
Mouseear
Crabgrass (large, smooth)
Crowfoot grass
Cupgrass, Woolly

Foxtails, Annual Goosegrass¹ Henbit Itchgrass Johnsongrass (from seed) Junglerice Knotweed Kochia Lambsquarter, Common Lovegrass Panicum (Texas, Fall, Brown Top) Pigweed Purslane, Common Pusley, Florida Rescuegrass² Shepherd's Purse³ Speedwell Sprangletop Spurge, Prostrate Witchgrass Woodsorrel, Yellow (from seed) Signalgrass, Broadleaf

- 1. In many areas a single application of 150 to 349 lb/acre of this product will control the above listed weeds and gooesgrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control can be obtained by making an initial application of 150 to 233 lb/acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.
- Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of weed seeds.
- 3. Applications for this weed should be made in late summer, fall or winter prior to germination.

WHEN TO APPLY AFTER OVERSEEDING

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

LESCO Barricade 2.0% Plus Fertilizer Rate (Ib/Acre)		Interval Before Overseeding				
Product	Al	North	Transition	South		
116 lb/acre	0.50 lb/acre	4 months	4 months	4 months		
150 lb/acre	0.66 lb/acre	5 months	4 months	4 months		
175 lb/acre	0.74 lb/acre	6 months	5 months	5 months		
185 lb/acre	0.80 lb/acre	-	6 months	6 months		
233 lb/acre	1.00 lb/acre	-	7 months	7 months		
265 lb/acre	1.14 lb/acre	-]	-]	9 months		
302 lb/acre	1.30 lb/acre	-	- [10 months		

Page 5 of 9

Revision Date: May 2, 2003

8/11

LANDSCAPE ORNAMENTALS

(Including Established Perennial and Wildflower Plantings)

This product may be applied for residual pre-emergence weed control in ornamentals.

<u>Use Rates</u> – Apply this product at 150 to 349 lb/acre in fall and/or spring. Use the higher rates of application for longer control periods. Sequential or single applications are allowed so long as the total amount of product applied does not exceed the maximum annual application rate of 349 pounds, per acre, per year.

Application Timing and Information

This product may be applied to newly transplanted and established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product in the soil. This product may be applied at any time to established plants. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply this product after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union. This product is a pre-emergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand-weeding, cultivation, or the use of an appropriate post-emergence herbicide.

Tolerant Ornamental Species

This product will not harm most established ornamental trees, shrubs, and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species without injury.

Page 6 of 9 EPA Reg. No. 10404-89

Revision Date: May 2, 2003

Scientific Name Abies spp. Acer palmatum A. platanoides Actinidia chinensis Agapanthus africanus Arctostaphylos densiflora Arctotheca calendula Aucuba japonica Barberis gladwynensis B. julianae B. mentorensis B. thunberaii B. verruculosa Buxus microphylla Callistemon viminalis Calluna vulgaris Carpobrotus edulis Cassia artemisoides Ceanothus rigidus Chamaecvparis pisifera Clevera iaponica Citrus spp* Cornus florida C. stolonifera Cortaderia selloana Cotoneaster spiculatus C. buxifolius C. dammeri C. microphyllus Cretaegus spp. Cupressus sempervirens Delasperma alba Dodonea viscosa Elaeagnus pungens Euonymus fortunei E. japonica E. kiautschovica Fatsia japonica Forsythia intermedia F. viridissima Gardenia jasminoides Hedera helix Hibiscus rosa-sinensis llex comuta I. crentata I. opaca I. pernvi Jasminium nudiflorum Juglans sp. Juniperus chinensis J. conferta J. horizontalis Justica brandegeana Lagerstromia indica Ligustrum amurense L. japonicum L. lucidum Liriope muscari Lonicera japonica L. tatarica

Common Name Fir Species; Balsam, etc.** Japanese Maple Norway Maple Kiwi* (Ornamental Only) Lily-of-the-Nile Vine Hill Manzanita Cape Weed Japanese Aucuba Barberry Wintergreen Barberry Mentor Barberry Japanese Barberry Warty Barberry Japanese Boxwood Weeping Bottlebrush Scotch Heather Hottentot Fig (Ice Plant) Feathery Cassia Wild Lilac False Cypress Clevera Citrus Species* Flowering Dogwood American Dogwood Pampas Grass Cranberry Cotoneaster Cotoneaster Bearberry Cotoneaster Rockspray Cotoneaster Hawthome* Italian Cypress White Trailing Ice Plant Hop Bush Silverberry Wintercreeper Evergreen Euonymus Spreading Euonymus Japanese Aralia Border Forsythia Greenstem Forsythia Gardenia, Cape-Jasmine English Ivy Chinese Hibiscus Chinese Holly Japanese Holly American Holly Holly Winter Jasmine Walnut* Chinese Juniper Shore Juniper Creeping Juniper Shrimp Plant Crepe Myrtle Amur Privet Japanese Privet **Glossy Privet Big Blue Lily Turf** Japanese Honevsuckle Tatarian Honeysuckle

Scientific Name Maleophora luteola Malus sp. Nandina domestica Olea europa Ophiopogon japonicus Osteospermum fruticosum Oxvdendrum arboreum Persea americana Photinia fraseri Picea spp. Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. radiata P. palustrus P. strobus P. sylvestris P. taeda P. thunbergiana Pistachio sp. Pittosporum rhombifolium P. tobira Podocarpus macrophylla Prunus laurocerasus Prunus spp. Pseudotsuga menziesii Pyracantha coccinea P. fortuneana; koidzumii Pyrus sp. Quercus spp. Raphiolepis indica Rhododendron (including azalea) Rosa banksiae Rosmarinus officinalis Santolina virens Sedum album Syzygium paniculatum Taxus cuspidata T. media Thuja occidentalis Trachelospermum asiatum Tsuga canadensis Vibumum japonicum V. odoratissimum V. plicatum V. rigidum V. tinus

V. trilobium

Vinca minor

Weigela florida

Yucca aloifolia

Yucca filamentosa

V. wrightii

Vitis sp.

Common Name Ice Plant Crabappie* Heavenly Bamboo Olive* (Ornamental Only) Mondo Grass Trailing African Daisy Sourwood Avocado* Frasier's Photinia (Redtip) Colorado Blue, Norway, etc. Lily-of-the-Valley Shrub Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Black Pine Monterey Pine Longleaf Pine Eastern White Pine Scotch Pine Lobloliv Pine Japanese Black Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Podocarpus sp. English Laurel Almond, Apricot, Nectarine, Peach, Plum, and Prune* Douglas Fir (Orna. Sites) Firethorn (Scarlet) Firethorn spp. Bradford Pear sp. Oak spp. Indian Hawthorne 'Coral Bells' 'Formosa', Hino-crimson', IPJM', "Roseum Elegans' Lady Bank's Rosa Rosemarv Santolina Stonecrop Japanese Boxcherry Japanese Yew Yew. Var. American Arborvitae Star Jasmine Common Hemlock Japanese Vibumum Sweet Viburnum Japanese Snowball Canary Island Viburnum. Laurustinus Cranberry Bush Leatherleaf Viburnum Dwarf Periwinkle Grape* Old Fashioned Weigela Spanish **Bayonet** Yucca, Adam's Needle *Ornamental species only. Do not use on food producing trees or vines. **For use on landscape ornamertal sites.

> Page 7 of 9 EPA Reg. No. 10404-89

Revision Date: May 2, 2003

SUGGESTED SPREADER SETTINGS*

	Recom	mended Rat	tes in Ib per	1,000 sq ft	
Spreader	3.44 lb	4.02 lb	5.34 lb	8.01 lb	
aaa	XX	XX	XX	XX	
bbb	XX	XX	XX	XX	
CCC	XX	XX	XX	XX	
ddd	XX	XX	XX	XX	
fff	XX	XX	XX	XX	
ggg	XX	XX	XX	XX	
hhh	XX	XX	XX	XX	
iii	XX	XX	XX	XX	

*IMPORTANT: These settings are only approximate. Age, condition of the spreader, and operator speed can cause wide variation. Be sure to calibrate your spreader with each application.

WARRANTY

LESCO, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. LESCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of LESCO and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL LESCO OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.

information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept., 15885 Sprague Rd., Strongsville, OH 44136-1799, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.regulatory-info-a1.com. LESCO and Poly Plus are registered trademarks of LESCO Technologies, LLC. Barricade is a registered trademark of Syngenta Crop Protection, Inc.

G:\REGUL\Product Labels\Masters\MasterTemplates\BARRICADE2.0.doc Created: XX/XX/XX (XXXXX) Rev:: XX/XX/XX XXXX

Net Weight: XX lb (XX kg)

EPA REG. NO. 10404-89

#XXXXXX

EPA EST. NO. 10404-FL-1(S), 10404-OH-4 (M), 59197-CA-1 (C) First letter of lot code indicates manufacturing site. FXXXX Manufactured by: **LESCO, Inc.** 15885 Sprague Road Strongsville, Ohio 44136-1799

ī.

758073xxxxx



Page 8 of 9 EPA Reg. No. 10404-89

|||

OPTIONAL LANGUAGE

For selective pre-emergence control of grass and broadleaf weeds in:

• Established turfgrasses (excluding golf course putting greens) and lawns.

4

- Landscape ornamentals (including perennial & wildflower plantings).
- Provides season-long weed control
- Long-lasting pre-emergence weed control
- Controls crabgrass and goosegrass



Page 9 of 9 EPA Reg. No. 10404-89